

**Capital Cascade Trail  
Expanded Master Plan Activities and  
Segment 2 Design and Permitting  
Project Progress Meeting No. 10  
May 8, 2007**

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ATTENDEES

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Mark Llewellyn, Genesis Group	Gary Phillips, BP2K
June Clark, Genesis Group	John Buss, COT/Stormwater Management
Lanier Mathews, Genesis Group	Susan Tanski, City Parks
Latesa Turner, Genesis Group	Del Schwalls / CDM (telephone)
Mark Thomasson, Genesis Group	Keith Follmar, Pinnacle (telephone)
Steve Palmer, Genesis Group	Larry Simmons, Pinnacle (telephone)
Ed Ringe, LPA Group	Peter Martin, CLS (telephone)
Myron Hayden, EGS	Akin Akinyemi, Akin & Assoc. (telephone)
Theresa Heiker, Leon Co. Public Works	

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DISCUSSION TOPICS

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**A. EXPANDED MASTER PLAN ACTIVITIES**

1. Evaluate Reducing the Peak Stage in Segment 2 Lower Pond and Analyze the Effects Downstream in Segment 3 (GENESIS GROUP – Pending Design of Segment 2)
  - 1.1 Evaluate Peak Stage Alternatives in Segment 2 Lower Pond and Determine Corresponding Peak Flow Rates and Runoff Volumes
  - 1.2 Evaluate Segment 3 Improvements to Reduce the Tailwater at South Monroe and Provide Sufficient Conveyance
  - 1.3 Evaluate Segment 3 Improvements to Provide Sufficient Storage for Increased Flows
  - 1.4 Technical Addendum
- a. **The modeling has commenced, but is currently on hold until the CDM model issue has been addressed.**
- b. **This effort will be based on the truncated FEMA model and not the Master Plan Model. This approach has been reviewed and approved by Blueprint.**
- c. **Modifications to the modeling approach have also been reviewed and accepted by Blueprint. This primarily relates to the use of the updated “Truncated FEMA Model” that CDM is preparing instead of the Master Plan Model. The issues associated with the FEMA Model were discussed at length and summarized below.**

2. Segments 3 and 4 Expanded Karst Features Analysis (EGS)

- 2.1 Understanding
- 2.2 Stormwater Facility 3-1
- 2.3 Stormwater Facility 3-2
- 2.4 Stormwater Facility 3-3
- 2.5 Stormwater Facility 4-1
- 2.6 Stormwater Facility 4-2
- 2.7 Stormwater Facility 4-3
- 2.8 Stormwater Facility 4-4
- 2.9 Stormwater Facility 4-5
- 2.10 Technical Addendum

- a. **The geophysical exploration has identified four sink holes; the soil borings indicate that they will not to be a problem.**
- b. **Myron indicated that the report should be complete by the end of next week (May 18, 2007).**

3. Segments 3 and 4 – Additional Cultural Resource Assessment

- a. **ACI has scheduled a meeting with DHR on Thursday 5/10/07 at 9 am.**
- b. **The initial letter from DHR was rejected by the City Growth Management Department. DHR has updated the letter and recommended the release of the NFI by the City Growth Management.**
- c. **Judy Hayden will follow up with the City regarding the NFI.**

4. Federal Emergency Management Agency (FEMA) Letter of Map Revision (CDM)

- 4.1 Data Collection, Coordination and Field Survey
- 4.2 Literature Review
- 4.3 Field Survey Verification
- 4.4 Hydrologic and Hydraulic (H&H) Analyses
- 4.5 The (100-year) Floodplain
- 4.6 The (500-year) Floodplain
- 4.7 The (100-year) Floodways
- 4.8 Floodplain and Floodway Delineation
- 4.9 Flood Profiles
- 4.10 Notification of Impacted Property Owners
- 4.11 FEMA Report
- 4.12 Additional FEMA Data Requests
- 4.13 Meetings and Coordination

#### 4.14 Deliverables

- a. **Floodway model – discovered a problem in the model with reduced infiltration on Master Plan model vs. truncated FEMA (current) model. Have called XPSWMM to investigate error. Master Plan model is calibrated, FEMA model has not been. SWMM, CDM, LPA and Genesis Group are all working on this issue.**
- b. **CDM will estimate time and fee needed to recalibrate model – if necessary. (Del Schwalls)**
- c. **CDM has communicated with FEMA and needs to clarify what projects will be included since model was created. This issue is related to the waiver request submitted by CDM to skip the first two steps in the FEMA process.**
- d. **Blueprint will send out letters to property owners related to the Flood Plain modifications.**
- e. **Del Schwalls will submit an updated schedule as soon as the modeling issue is resolved.**

#### 5. Interim Improvements for Segment 1 Feasibility Analysis (GENESIS GROUP)

- 5.1 **Complete Partial Topographic Survey for Segment 1 (Complete pending comments from Blueprint)**
  - 5.2 Identify Potential Interim Improvements for Segment 1
  - 5.3 Identify Permitting Issues/resolution Associated with Implementing Interim Improvements
  - 5.4 Evaluate Traffic Impacts Associated with Potential Interim Improvement
  - 5.5 Final Technical Memorandum
- a. **The technical addendum is pending the resolution of the modeling issue. The Technical Memorandum will be submitted to Blueprint with one week after the modeling issues are resolved.**
  - b. **Gary Phillips will resubmit a copy of the Topographic Survey of Franklin Blvd. to Theresa Heiker at Leon County.**
  - c. **High pressure gas line under the southbound lanes of Franklin Boulevard (underneath Apalachee Parkway) to be located via soft dig. A permit will be required from Leon County to complete this work.**

#### 6. Project Schedule

- a. **Mark Llewellyn has re-submitted the revised schedule to BP2K.**

**b. We remain on schedule for the 50% Design Submittal.**

**B. SEGMENT 2 DESIGN AND PERMITTING**

3. Design Surveying (GENESIS GROUP – Lanier Mathews)

3.1 Survey Control

3.2 Bench Levels

3.3 Boundary Survey

3.4 Topographic Survey

3.5 Tree Survey

3.6 Utilities

3.7 Jurisdictional Line Survey (EGS/Genesis)

3.8 Drainage Survey

3.9 Subsurface Utility Engineering (S.U.E.) Excavation/Location

3.10 Right of Way Boundaries

3.11 Survey Coordination

3.12 Final Survey

3.13 Easement Descriptions

**a. The updated Topographic and Utility Survey was submitted to Gary Phillips last week. Gary will forward the survey for review.**

**b. The electric duct along abandoned Gadsden Street has been surveyed based on the manholes. A request to excavate the concreted duct bank between the St. Augustine Branch and the railroad will be submitted by Genesis to Blueprint. The purpose is to determine the bottom elevation of the concrete duct bank so the bypass design can proceed.**

**c. Lanier Mathews received the title search file from Matt Matthews containing more than 100 documents, some very old.**

**d. Target date for boundary and right of way boundary survey is 5/18/07.**

**e. Lanier Mathews working on the legal descriptions for the abandonment of Gaines Street, Bloxham Street, and a short section of Meridian near St. Augustine.**

**f. TIITF property needs sign-off from Intergovernmental Agency.**

4. Final Hydraulic Design (GENESIS GROUP)

4.1 Model Simulations

4.2 Trash Traps

- a. **Parallel bypass pipes concept was discussed. Base flow through ponds and stream; first flush (up to 100 cfs) will flow into the pond/stream system, mid-size storm events (limited to approximately 400 additional cfs) will bypass park entirely – discharging behind Boca Chuba; larger storm events (over 500 cfs) will be directed to the lower pond for flood control. The overall objective of this alternative is to protect the system from flushing the Alum or Alum flock down stream.**
- b. **John Buss suggested consulting with Jeff Herr to determine what velocities would be a problem for the Lower Pond as they relate to the alum issue. Theresa Heiker discussed the flow path through the pond as the issue.**
- c. **The size and location of the bypass pipes may be limited by electrical duct bank along Gadsden Street. The excavation and location of the electric duct bank is vital to the bypass analysis. Gary Phillips will contact City Electric to request this work.**
- d. **The Pond Augmentation Analysis is proceeding forward. The existing FDOT well will be inspected today with the appropriate individuals. The objective is to determine the condition of the well and the capacity of the well.**
- e. **The final Alum Injection Analysis proposal has been received. PBS&J and EGS will complete this work. Myron Hayden has made arrangements with the Lab to pull the rainfall runoff samples at the required locations as soon as we receive a ½” rainfall.**

5. Park Programming (CLS)

- 5.1 Community Outreach Plan
- 5.2 Agenda Setting (Complete)
- 5.3 Master Plan Alternatives
- 5.4 Detailed Master Plan and Park Programming
- 5.5 Workshops
  - 5.5.1 Workshop 1: Program Formation (Complete)
  - 5.5.2 Workshop 2: Design Selection
- 5.6 Executive Committee
- 5.7 Conceptual Design (Complete)
- 5.8 Schematic Design
- 5.9 Local Street Improvements
- 5.10 Park Programming Final Report

- a. **Park Programming Final Report is ready to submit (Peter Martin).**

- b. The updated Traffic Analysis for the Franklin Blvd. Interim Improvements has been completed and submitted to Blueprint. Gary Phillips has forwarded the report to Leon County and to the City of Tallahassee for final approval.**

6. Technical and Administrative Meetings (Team)

- 1. City of Tallahassee Stormwater
- 2. City of Tallahassee Utility Services
- 3. City of Tallahassee Growth Management
- 4. Leon County Engineering Services
- 5. Leon County Growth Management
- 6. City of Tallahassee Parks and Recreation Department
- 7. FDEP Jurisdictional Severance

- a. Genesis met with the City Growth Management Department. COT Growth Management has agreed to meet internally and to discuss the waivers/variances that might be required for the project. A follow up meeting will be scheduled as soon as possible. The objective is to request the variances from the City Commission prior to their summer break.**
- b. A meeting with ACOE will take place in Panama City on Thursday of this week.**
- c. A meeting has been scheduled with Commissioner Dailey on 5/15/07 to discuss the Lake Hall School.**
- d. Need to set a meeting with Leon County to address roadway reconstruction and make them aware of EGS Roadway Investigation findings. (Copy of April 2007 report given to Theresa Heiker.) The purpose of the meeting is to discuss the extent of construction at the intersection of Franklin, Lafayette & Meridian.**

7. Construction Documents (Team)

- 7.1 Cover Sheet
- 7.2 Master Site Plan and Sheet Index Map
- 7.3 General Notes
- 7.4 Summary of Quantities
- 7.5 Typical Sections
- 7.6 Existing Conditions Survey (refer to Task 3)
- 7.7 Stormwater Pollution Prevention Plan
- 7.8 Demolition Plan
- 7.9 Utility Relocation Plan
- 7.10 Site Plan
- 7.11 Coordinate Geometry Plan

- 7.12 Paving (Trail and Parking), Grading, and Grading Plans
  - 7.12.1 Pond Grading Plan
  - 7.12.2 Lower Cascade Pond Drawdown Pump
  - 7.12.3 Stream Restoration Plans and Details
  - 7.12.4 Cross Sections
  - 7.12.5 Parking Lot Modifications
  - 7.12.6 Drainage Structure Sheets
- 7.13 Roadway Improvement Plans
  - 7.13.1 Plan and Profile Sheets
  - 7.13.2 Gaines Street Reconstruction Plan
- 7.14 Traffic Control Plans
- 7.15 (Potable) Water Distribution System
- 7.16 Lake Augmentation Well Plans
- 7.17 Hardscape Plans
- 7.18 Landscape and Irrigation Plans
- 7.19 Electrical Lighting and Emergency Call Box Plans
  - 7.19.1 Electrical Power
  - 7.19.2 Electrical Lighting
  - 7.19.3 Emergency Call Boxes
- 7.20 Retaining Wall Structural
- 7.21 Trail Bridge Plans
- 7.22 Restroom Architectural Plans (Akin & Pinnacle)
  - 7.22.1 Schematic Design Phase
  - 7.22.2 Construction Document Phase
  - 7.22.3 Structural Design Plans
  - 7.22.4 Permitting
  - 7.22.5 Mechanical and Plumbing Engineering Documents
- 7.23 Work within CSX R/W Plans and Details
- 7.24 Special Details
- 7.25 Geotechnical Evaluation
  - 7.25.1 Stormwater Pond
  - 7.25.2 Contamination Assessments
  - 7.25.3 Bridges
  - 7.25.4 Retaining Walls
  - 7.25.5 Restroom Site

- a. Grading plan is near completion.**
- b. Not proposing any work under CSX trestle bridge.**
- c. CSX submittal is scheduled for next week (5/18/07).**
- d. Check on status of Easter Seal building (S. Tanski).**
- e. Genesis is working on a scope and fee for the COT Water & Sewer Department to design a reuse line from the Lake Bradford treatment plant.**

- f. **CLS and Akin have worked through the issues associated with the Restroom/Bathhouse size and configuration due to the increased use capacity (350 people). Vending machines are desired at the restroom building. Blueprint has directed the team to proceed with the design. The 50% plans will be submitted to the City Managers office when they are complete. The next step is to finalize the shape of the Water Play area, address shading, and design the water play features including the water cycle fountain.**
  - g. **Genesis has requested the remediation drawings from the City or WRS that show the Engineering Barriers. We need to know exactly where engineering barriers have been installed in relation to construction work. This information will be added to the Segment 2 construction plans.**
  - h. **The Sequence of Construction text was distributed. There are four (4) phases. Gary Phillips indicated that the SOC should take into consideration the time constraint from Florida Forever Grant for the Upper Pond. The Sequence of Construction was submitted to Gary Phillips along with the plan.**
  - i. **Keith Follmar of Pinnacle Engineering met with City Electric. Need to excavate the duct bank to determine lower limit.**
  - j. **High pressure gas line to be located in middle park.**
  - k. **The high pressure gas line under the south bound lanes of Franklin Blvd. will be located vertically. The south bound lanes will be lowered some to accommodate a north bound left turn lane on Franklin Blvd.**
  - 1. **Light fixtures have not yet been selected. Send summary of electric fixtures (manufacturer, style, and cost) to Genesis (K. Follmar). Meet with parks and recreation on fixture selection (M. Llewellyn).**
- 8. **Project Schedule (Genesis Group / Team) (The team is still on schedule to submit the 50% plans by the end of June 2007.)**
  - 9. **Submittals (Team)**
  - 10. **Technical Specifications (Team)**
  - 11. **Construction Document Submittal Requirements (Team)**
    - 11.1 **General Requirement**
    - 11.2 **Drawings**



11.3 Opinion of Probable Construction Cost

12. Environmental and Permit Support Services (EGS)

12.1 Wetland Delineation

12.2 City of Tallahassee

12.2.1 Natural Features Inventory

12.2.2 Environmental Impact Analysis

12.2.3 Environmental Management Permit

12.2.4 Right-of-Way Construction Permit

12.2.5 Building Permit

12.3 NFWFMD, FDEP and ACOE

12.3.1 Severance of Jurisdiction

12.3.2 Environmental Resource Permit

12.3.3 Permit Packages

12.4 DMS and FDOT

12.5 Florida Division of Historic Resources

12.6 FEMA

12.7 CSX Intermodal

- a. **Myron Hayden indicated that the NFI should be issued this week or next.**
- b. **City has identified some areas of unaltered floodplain. Will need to get a variance from the City Commission if more than 2 acres is impacted. If less than 2 acres is impacted, can get approval from the City Manager. Susan Tanski suggested getting the forms for the variance as soon as the NFI is finished and request to get on the Commission agenda (see task 6 notes).**
- c. **NFWFMD has indicated if application is complete and submitted by 10-01-07, the project will not have to comply with new ERP rules.**
- d. **Briefly discussed the severance issue. We will schedule a meeting with FDEP as soon as the initial alum injection analysis is complete.**
- e. **See task A.3. for information related to the DHR approval.**
- f. **CSX Improvement Plans will be submitted to CSX by 5/18/07.**
- g. **John Buss suggested that we meet with City and County Commissioners as soon as possible to discuss the issues related to the trees in the park.**

13. Public Information Program (Team)

- 13.1 Intergovernmental Agency (IA)
- 13.2 BLUEPRINT 2000 Technical Coordinating Committee and Citizens Advisory Committee
- 13.3 Public/Community Information Meeting
- 13.4 Presentation and Reporting Requirements

- a. **The next IA meeting is scheduled for June 12, 2007. Blueprint will suggest a special workshop with the commissioners.**
- b. **Probably have an IA workshop on Cascades project in fall 2007.**
- c. **No other public workshops are planned at this time.**

14. Quality Assurance / Quality Control (Team) **(All submittals are required to be accompanied by a QA/QC signoff form.)**

15. Deliverables (Team)

16. Compensation and Method of Payment

**C. SUPPLEMENTAL SERVICES**

**Genesis continues to work on the Scope of Work and fees associated with the Supplemental Services. This is not effecting progress on the site design.**